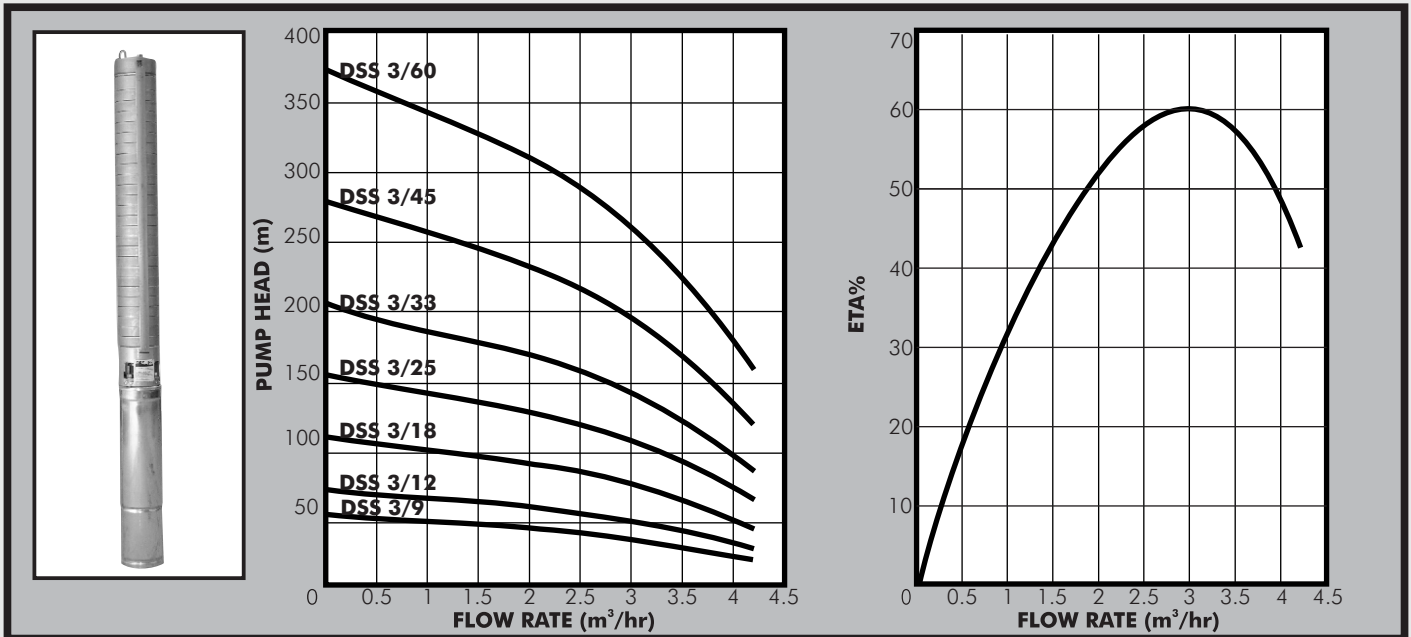




# DSS3

## Multistage Centrifugal Borehole Pump



### PUMP

DAYLIFF DSS submersible pumps are designed specifically for borehole supply applications. They are of multistage centrifugal impeller design and all parts are made from standard AISI304 stainless steel with water lubricated rubber bearings. A submersible motor is fitted beneath the pump and suction is effected through a strainer between the pump and motor.

### MOTOR

The pump is coupled to a sealed liquid cooled 2-pole asynchronous squirrel-cage motor constructed of stainless steel. Single phase motors should be supplied with purpose designed Dayliff SCM control boxes for operation and protection against overload, dry running and over/under voltage. Three phase motors require a remote DOL starter; A DAYLIFF SCT electronic Pump Controller is recommended for comprehensive pump control including low level, motor overload and irregular power supply protection.

**Enclosure Class:** IP68

**Insulation Class:** F

**Speed:** 2900 rpm

### OPERATING CONDITIONS

**Pumped Liquid:** Thin, clean, chemically non-aggressive liquids with a maximum sand content of 0.25%

**Max Liquid Temperature:** +50°C

**Max Water Depth:** 200m

**Minimum Borehole Diameter:** 110mm

### PUMP DATA

Model	Motor		Full Load Current(A)		Start Current (A)		Dimensions (mm)				C	Weight (kg)
							A		B			
	kW	HP	1X240V	3X415V	1X240V	3X415V	1X240V	3X415V	1X240V	3X415V		
DSS 3/9	0.55	0.75	4.7	—	19	—	329	—	673	—	344	11
DSS 3/12	0.75	1	6.2	—	25	—	359	—	766	—	407	13
DSS 3/18	1.1	1.5	8	—	32	—	399	—	932	—	533	16
DSS 3/25	1.5	2	11.5	—	46	—	449	—	1129	—	680	20
DSS 3/33	2.2	3	15.5	6	62	42	542	514	1390	1362	848	26
DSS 3/45	3	4	—	8	—	56	—	594	—	1694	1100	31
DSS 3/60	4	5.5	—	10	—	70	—	698	—	2113	1415	38

